

Claims

[c1] What is claimed is:

1. A device comprising:
 - a) load cell;
 - b) with notches in the side of said load cell to equalize the strains on the load cell when an applied load is applied.

[c2] 2. A device as claimed in claim 1 wherein material is removed from the load cell sides to form said notches.

[c3] 3. A device as claimed in claim 1 wherein material is removed from the load cell sides above and below the strain gage to from said notches.

[c4] 4. A device as claimed in claim 1 which has a strain gage connected to the load cell.

[c5] 5. A device as claimed in claim 1 which has a strain gage located on a surface of the load cell that is perpendicular to the load cell.

[c6] 6. A device as claimed in claim 5 wherein material is removed from said surface.

- [c7] 7. A device as claimed in claim 1 which has a connecting means on the top and bottom of said load cell.
- [c8] 8. A device as claimed in claim 1 which has an attachment hole.
- [c9] 9. A device as claimed in claim 1 which has strain gages combined to form a Wheatstone bridge.
- [c10] 10. A device as claimed in claim 1 in which large strains generated by one body are imparted to another body on which strain gages are mounted, increasing the transverse strain at the gage location on the second body above that which could be achieved with Poisson's ratio.
- [c11] 11. A device comprising:
 - a) load cell;
 - b) with curves in the side of said load cell to equalize the strains on the load cell when an applied load is applied.
- [c12] 12. A device as claimed in claim 11 wherein material is removed from the load cell sides to form said notches.
- [c13] 13. A device as claimed in claim 11 wherein material is removed from the load cell sides above and below the strain gage to from said notches.
- [c14] 14. A device as claimed in claim 11 which has a strain gage connected to the load cell.

- [c15] 15. A device as claimed in claim 11 which has a strain gage located on a surface of the load cell that is perpendicular to the load cell.
- [c16] 16. A device as claimed in claim 15 wherein material is removed from said surface.
- [c17] 17. A device as claimed in claim 11 which has a connecting means on the top and bottom of said load cell.
- [c18] 18. A device as claimed in claim 11 which has an attachment hole.
- [c19] 19. A device as claimed in claim 11 which has strain gages combined to form a Wheatstone bridge.
- [c20] 20. A device as claimed in claim 11 in which large strains generated by one body are imparted to another body on which strain gages are mounted, increasing the transverse strain at the gage location on the second body above that which could be achieved with Poisson's ratio.